Keynote Speaker

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Prof. Armistead (Ted) Russell is the Howard T. Tellepsen Chair and Regents' Professor at the Georgia Institute of Technology. At Georgia Tech, his research is aimed at better understanding the dynamics of air pollutants and the resulting health impacts, with an ultimate goal to develop approaches to design effective strategies to improve air quality and health. Before coming to Georgia Tech, he was a professor at Carnegie Mellon University in Pittsburgh, Pennsylvania. He earned his M.S. and PhD degrees in Mechanical Engineering at the California Institute of Technology in 1980 and 1985 and his B.S. from Washington State University. Prof. Russell has served on fifteen National Academy Committees, as well as IARC and EPA Committees, including the Clean Air Scientific Advisory Committee. He is the recipient of the AWMA Frank Chambers, SAE Ralph Teetor, WSU Distinguished Alumni, FHWA Environmental Excellence and Siggraph Visualization Awards

Keynote Presentation Title: Integrating Satellites and Models for Air Quality and Health Analyses

Abstract: A revolution in our ability to observe air pollution and its impacts on health has been rapidly happening largely unobserved to many since it is really occurring up in space. Satellites are constantly characterizing levels of a range of compounds in the air, and what is truly unique and powerful is that we now have information across the globe, even in remote regions. Atmospheric scientists have teamed with health scientists to use this information to better understand how air pollution impacts disease in every country and what can be done to reduce air pollution-related disease.

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